

STEREO MOC Status Report  
Time Period: 2014:258 - 2014:264

STEREO Ahead (STA) Status:

1. The following Ground System anomalies/events occurred during this reporting period:

- None.

2. The following spacecraft/instrument events occurred during this week. Note that the Ahead observatory is operating on the first side lobe of the HGA to prevent overheating of the HGA feed assembly.

- The average daily science data return for Ahead, while operating on the first side lobe on the HGA, was 0.068 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies/events occurred during this reporting period:

- On day 261, during the DSS-55 support, turbo decoder lock was lost briefly at 0840z and 1003z. This anomaly resulted in the loss of nine frames of SSR data.
- On day 262, during the DSS-55 support, turbo decoder lock was lost briefly at 1015z. This anomaly resulted in the loss of three frames of SSR data.
- On day 262, during the DSS-63 support, telemetry lock was lost beginning at 1337z through 1352z due to heavy rain at the Madrid complex. The SSR playback was disabled early to minimize science data loss. This anomaly resulted in the loss of 15 minutes of SSR data. See DR #M108322 for more information.
- On day 264, during the DSS-65 support, turbo decoder lock was lost intermittently beginning at 0811z through 1120z. This anomaly resulted in the loss of 262 frames of SSR data.

2. The following spacecraft/instrument events occurred during this week:

- On day 258, Fault Protection versions 2.3.14 and 2.3.15 were loaded to C&DH EEPROM in preparations for Behind solar conjunction testing to commence on day 270.
- On day 259, MOps macros version 1.1.24 was loaded to C&DH EEPROM and Earth Acquisition mode bypass was selected in preparations for Behind solar conjunction testing to commence on day 270.
- On day 262, DHS release 1.1.9 was loaded to C&DH RAM in preparations for Behind solar conjunction testing to commence on day 270. This release contained a RTDFD table correction to ensure that the real-time SWAVES science telemetry continues to be downlinked after a momentum dump during side lobe operations.
- The average daily SSR playback volume for Behind was 3.2 Gbits during this week.